REVISION DATE: 02-02-2009

© 2009, Videolarm, Inc. All Rights Reserved

PRODUCT INSTRUCTIONS

	Specification Number	Catalog Section
INSTRUCTIONS	5288	3
MODEL: Brackets, Mounts, and Poles P1800		

STANDARD INSTALLATION PROCEDURE

INCLUDES MODELS: P1800

Please read these instructions carefully before proceeding, and heed all cautions.

NOTE: If you'll be using the optional PV4 anchor jig, see the attached instructions for assembly of the jig.

Part 1: Site Preparation

NOTE: Special attention must be paid to the size of the wiring conduit and its location within the concrete foundation and jig (if applicable.) The Wiring Conduit can be up to 2" in diameter. Use reducers if necessary. Also, make sure that the Wiring Conduit is in the center of the foundation and Anchor Jig during installation (Figure 1).

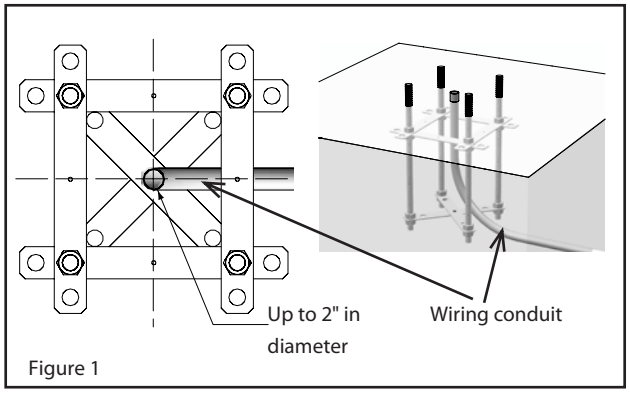


Figure 1

1. Select a suitable site for the P1600 and prepare the pad site using a hole 36" x 36" x 36" deep. The top of the concrete foundation should be flush with the ground.

CALL BEFORE DIGGING! Be sure that there are no underground electric or phone cables, gas or water lines in the area where the pole will be located.

2. To help reinforce the concrete foundation, place (12) 1/2" diameter x 32" long Reinforcement Bars ("rebar") as shown in Figure 2. Use suitable preparation methods to place the rebar.

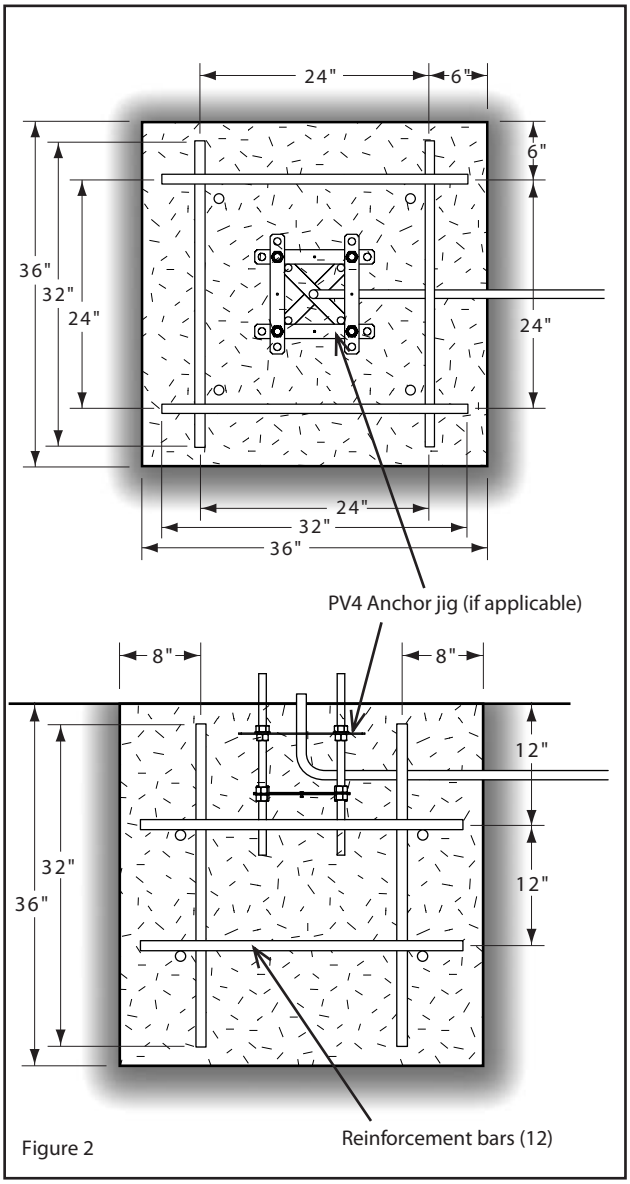


Figure 2

2525 Park Central Blvd. • Decatur, Ga 30035 • (770) 987-7550 • 800-554-1124 U.S. & Canada • www.videolarm.com • Fax 800-826-0366

3. FOR ANCHOR BOLT INSTALLATIONS:
   Pour concrete per manufacturer's directions, making sure that the wiring conduit is in the center of the pad. See Figure 3 for dimensions of the bolt pattern and suspend appropriate bolts in the concrete around the wiring conduit. Leave 2" to 3" of the **Bolts** protruding above the pad. If you are using leveling nuts, leave 4" to 6" protruding.

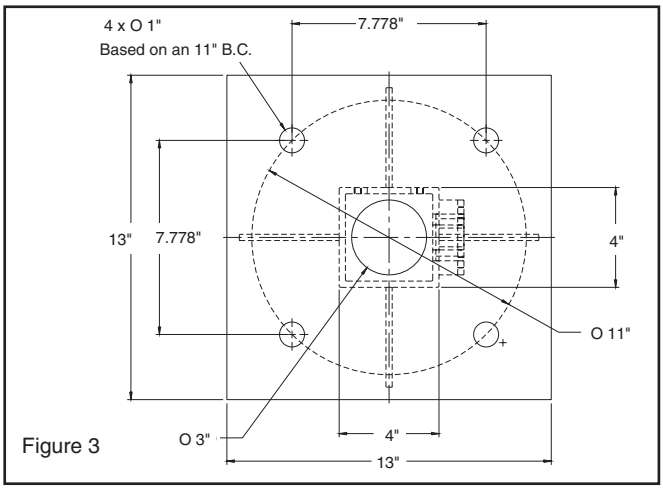


Figure 3

FOR ANCHOR JIG INSTALLATIONS:
   Suspend the assembled **Anchor Jig** in the center of the pad hole (see Figure 2, previous page). Leave 2" to 3" of the **Bolts** protruding above the pad (unless you're using leveling nuts, see Anchor Jig instructions). Make sure that the **Conduit** is in the center of the **Anchor Jig**. Both the jig and the conduit must be securely suspended to prevent shifting when the concrete is poured.

Prepare the concrete per manufacturer's directions. The concrete must have a compressive strength of 3000 psi, and must be fabricated following ACI318-89 requirements. Allow the concrete foundation to cure thoroughly before proceeding with the installation.

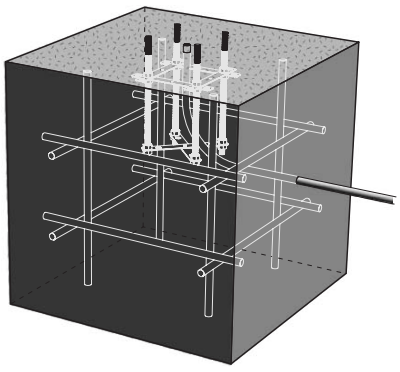

Schematic view of concrete foundation

Figure 4

Part 2: Intallation

1. Assemble the pole and transformer base using the bolts, nuts, and washers provided (Figure 5).

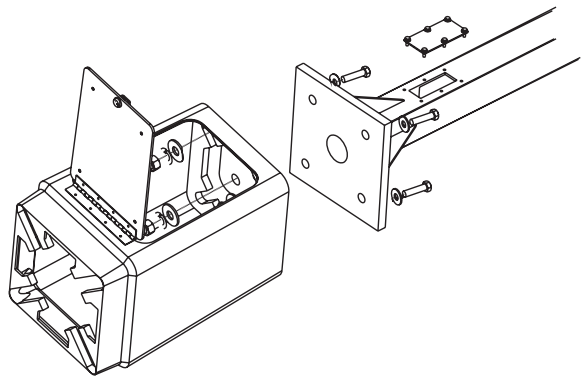


Figure 5

2. Remove the access opening plates at the bottom and top (Figure 6).

3. Insert the wiring into the transformer base, up into the pole and out of the bottom access opening. Make sure all slack is pulled completely through.

4. Insert connecting wiring into the bottom access opening, run through the pole up to the top access opening. Insert the end through the housing connecting hole. Close the top access opening and make necessary wiring connections at the bottom access opening (Figure 6).

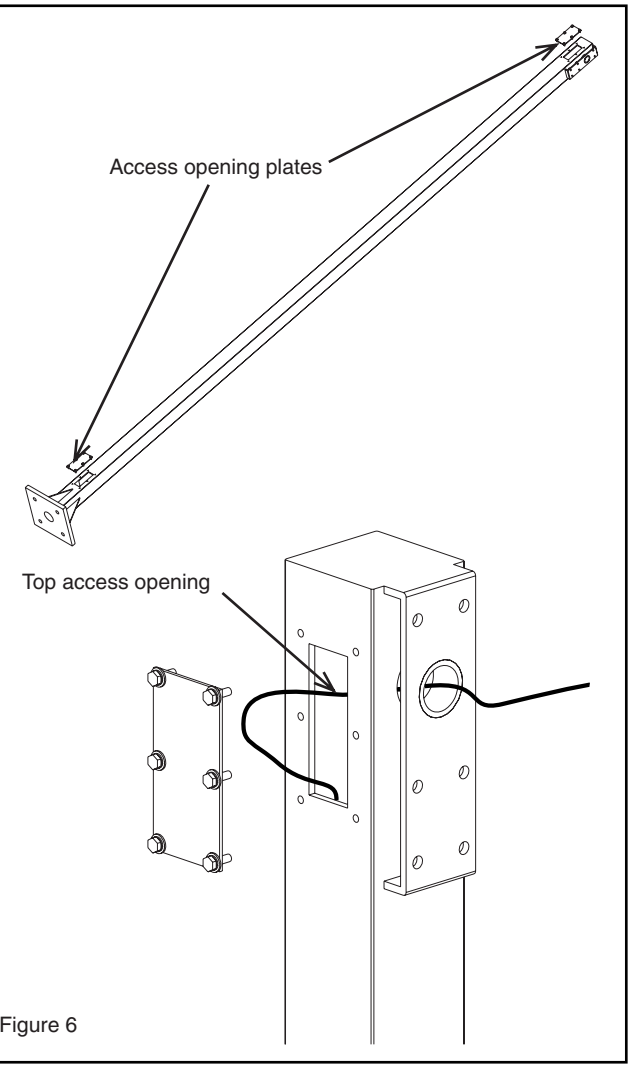


Figure 6

5. Place the pole on the pad with the holes on the Transformer Base aligned with the bolts of the anchor bolts or anchor jig and slowly lift the pole into the upright position (Figure 7).

CAUTION: Pull all slack in the wiring as you lift the pole into position to keep from pinching and possible damage.

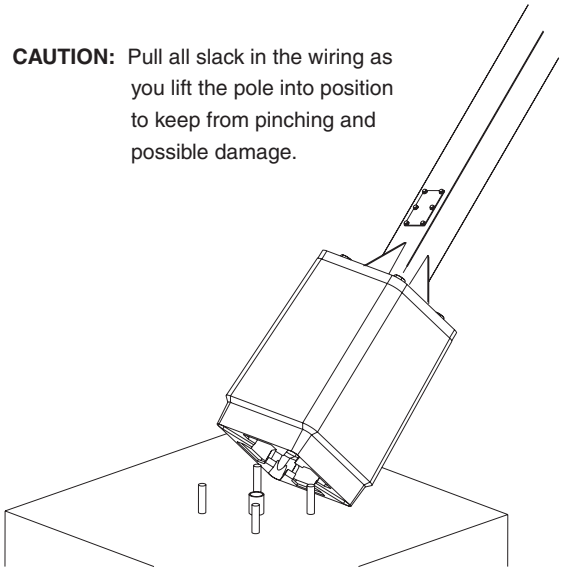


Figure 7

5. Ensure that the pole is vertical on all sides. Use a bubble level or plumb bob to check.

6. Secure the pole to the pad with fasteners (Figure 8).

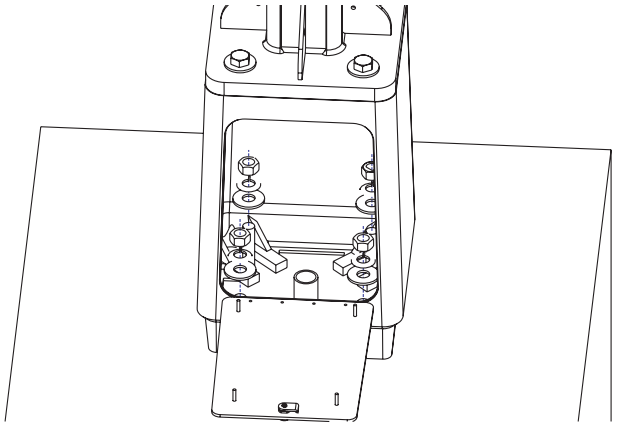
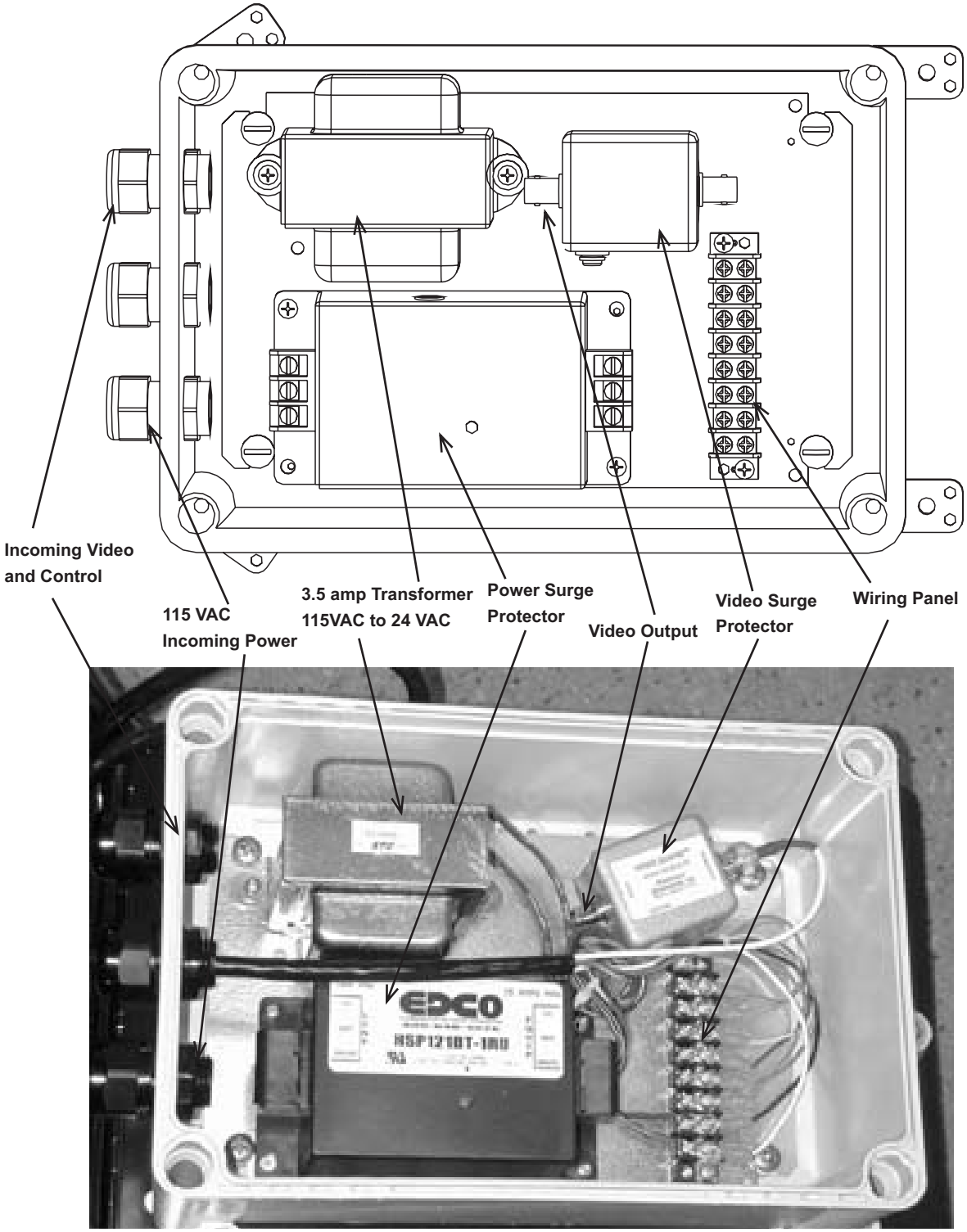


Figure 8

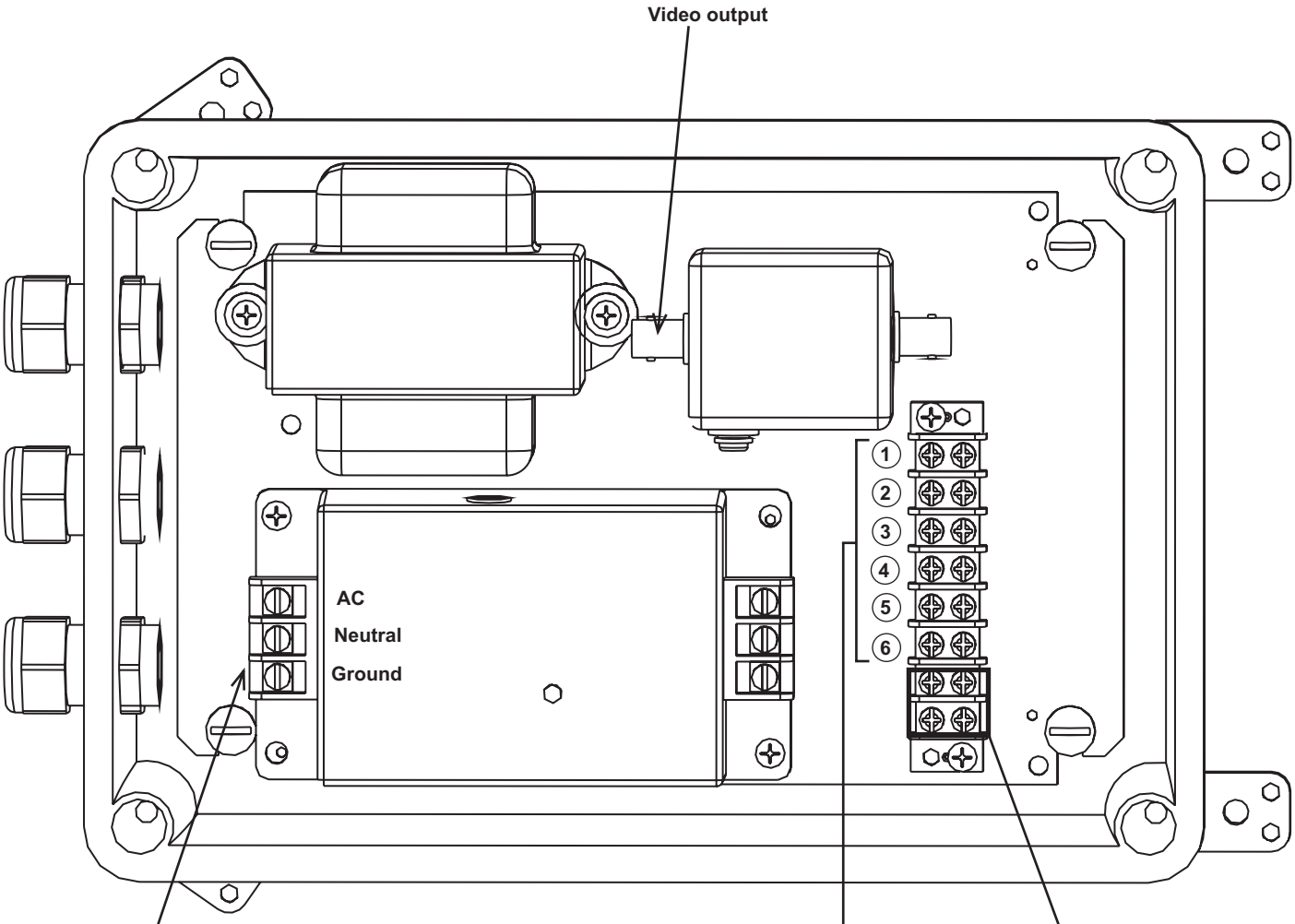
Wiring Inside the NEMA Box

NOTE: This unit MUST be grounded. If you do not have ground on the incoming power, you MUST run appropriate ground out from the NEMA box

- Run 115 VAC power into the NEMA box through the conduit opening closest to the power transformer. Make the appropriate connections.
- Run video and control into the NEMA box through the conduit opening closest to the surge protector. Connect video output to the surge protector. Connect control wiring to the wiring panel in the top of the NEMA box. Follow the wiring chart on the following page.



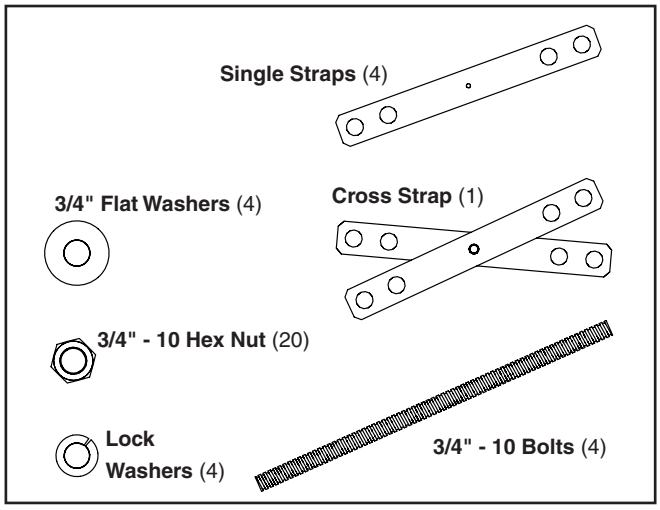
NEMA Box Wiring Diagram



User Wiring Connections		
1	RED	RX Control Data
2	ORANGE	RX Control Data
3	YELLOW	TX Control Data
4	GREEN	TX Control Data
5	BLUE	Alarm
6	GRAY	Alarm

Anchor Jig Assembly

Anchor Jig Kit Parts List



1. Thread two (2) **nuts** onto each of the (4) **bolts** (Figure 1). The end with 6" of clearance will be the top of the **Anchor Jig**, the end with 1 1/2" clearance will be the bottom.

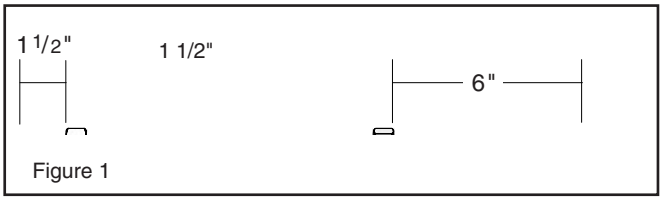


Figure 1

NOTE: Because of surface conditions it may be necessary to use leveling nuts. See step 5 below for information.

2. Place the short end of each **Bolt** into the outside holes of the **Cross Strap.** Place **Hex Nuts** onto each **Bolt** and finger tighten (Figure 2).

3. Turn the **Anchor Jig** over and place **Single Straps** over the **Bolts** (Figure 3). Use the inside hole of each strap. Place **Hex Nuts** onto each **Bolt** and finger tighten.

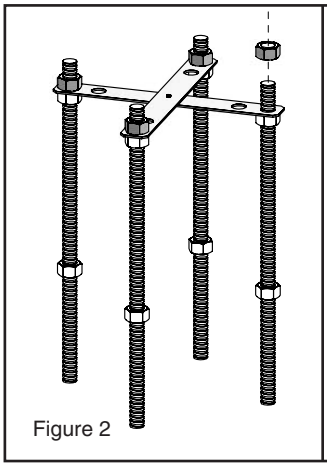


Figure 2

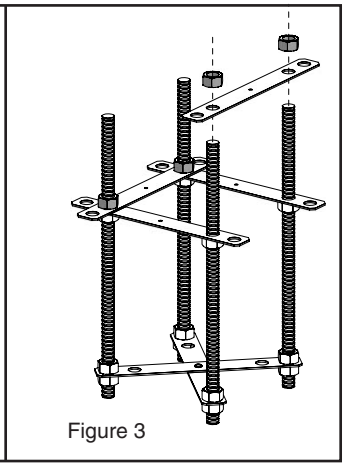


Figure 3

NOTE: The **Flat Washers**, **Lock Washers**, and remaining **Hex Nuts** will be used to fasten the pole to the **Anchor Jig.**

4. Before using the **Anchor Jig** verify that the center to center dimensions between the bolts are even (Figure 4). If not, adjust accordingly. Firmly tighten all **Hex Nuts**.

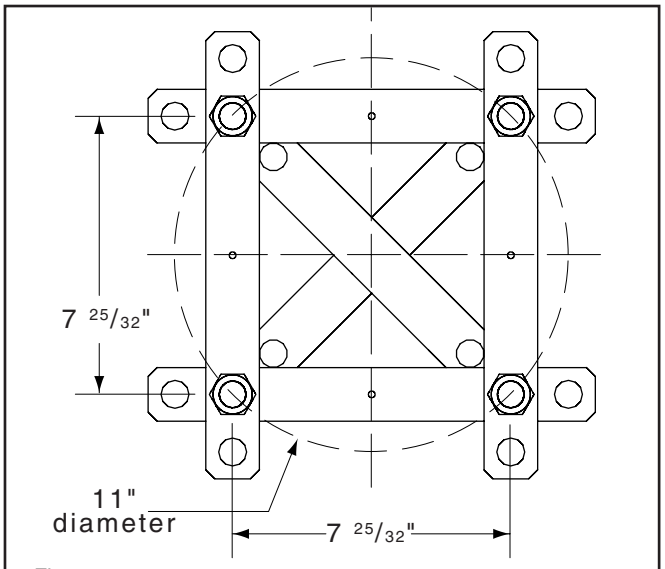
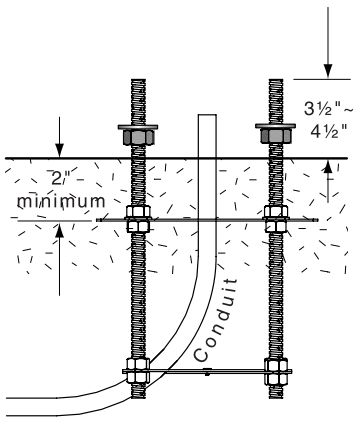
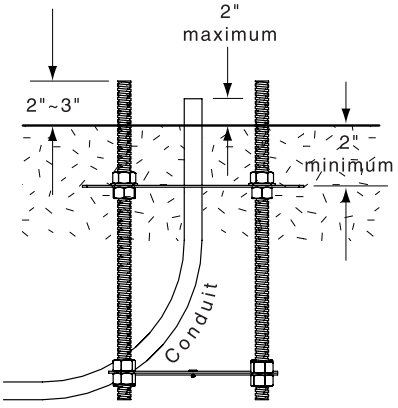


Figure 4

5. If, due to conditions or other requirements, leveling nuts are needed, adjustments will have to be made to the **Anchor Jig**. Below are diagrams comparing the **Anchor Jig** with and without leveling nuts. Leveling nuts and washers are NOT provided with the pole,



With Leveling Nuts



Without Leveling Nuts

IMPORTANT SAFEGUARDS

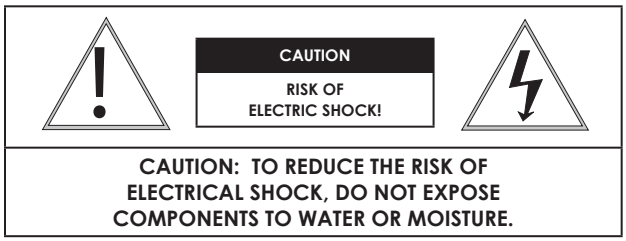
1. **Read Instructions** - All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating & user instructions should be followed.
5. **Electrical Connections** - Only a qualified electrician should make electrical connections.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** - All cable runs must be within permissible distance.
8. **Mounting** - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
   a. Installation should be made by a qualified installer.
   b. Installation should be in compliance with local codes.
   c. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper. ***Be sure to save:***

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

SAFETY PRECAUTIONS



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE COMPONENTS TO WATER OR MOISTURE.

The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SERVICE

If the unit ever needs repair service, customer should contact Videolarm (1-800-554-1124) for return authorization & shipping instructions.

TECHNICAL SUPPORT

Videolarm has set-up a 24 hour technical support line for their customers.

24 HOUR TECHNICAL SUPPORT

1-800-554-1124

LIMITED WARRANTY FOR VIDEOLARM INC. PRODUCTS

VIDEOLARM INC. *warrants this Product to be free from defects in material or workmanship, as follows:*

PRODUCT CATEGORY	PARTS	LABOR
All Enclosures and Electronics	Five (5) Years	Five (5) Years
Pan/Tilts	Three (3) Years **6 months if used in autoscan / tour operation	Three (3) Years **6 months if used in autoscan / tour operation
Poles/PoleEvators	Three (3) Years	Three (3) Years
Warrior/Q-View/I.R. Illuminators	Five (5) Years	Five (5) Years
SView Series	Five (5) Years **6 months if used in autoscan / tour operation	Five (5) Years **6 months if used in autoscan / tour operation
Controllers	Five (5) Years	Five (5) Years
Power Supplies	Five (5) Years	Five (5) Years
Accessory Brackets	Five (5) Years	Five (5) Years

During the labor warranty period, to repair the Product, Purchaser will either return the defective product, freight prepaid, or deliver it to Videolarm Inc. Decatur GA. The Product to be repaired is to be returned in either its original carton or a similar package affording an equal degree of protection with a RMA # (Return Materials Authorization number) displayed on the outer box or packing slip. To obtain a RMA# you must contact our Technical Support Team at 800.554.1124, extension 101. Videolarm will return the repaired Product freight prepaid to Purchaser. Videolarm is not obligated to provide Purchaser with a substitute unit during the warranty period or at any time. After the applicable warranty period, Purchaser must pay all labor and/or parts charges.

The limited warranty stated in these product instructions is subject to all of the following terms and conditions:

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the Product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to Videolarm but all claims for warranty service must be made within the warranty period. If after investigation Videolarm determines that the reported problem was not covered by the warranty, Purchaser shall pay Videolarm for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any Product or part thereof shall extend the warranty period as to the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and Videolarm's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts.

3. EXCEPTIONS TO LIMITED WARRANTY: Videolarm shall have no liability or obligation to Purchaser with respect to any Product requiring service during the warranty period which is subjected to any of the following: abuse, improper use: negligence, accident, lightning damage or other acts of God (i.e., hurricanes, earthquakes), modification, failure of the end-user to follow the directions outlined in the product instructions, failure of the end-user to follow the maintenance procedures recommended by the International Security Industry Organization, written in product instructions, or recommended in the service manual for the Product. Furthermore, Videolarm shall have no liability where a schedule is specified for regular replacement or maintenance or cleaning of certain parts (based on usage) and the end-user has failed to follow such schedule; attempted repair by non-qualified personnel; operation of the Product outside of the published environmental and electrical parameters, or if such Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. Videolarm excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS and excludes used Products which have not been sold by Videolarm to the Purchaser. All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product.

4. PROOF OF PURCHASE: The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY EXCEPT FOR THE FOREGOING WARRANTIES, VIDEOLARM HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR IN ANY OTHER COMPARABLE STATE STATUTE. VIDEOLARM HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-VIDEOLARM PRODUCTS OR NON-VIDEOLARM RECOMMENDED PRODUCTS PURCHASER CHOOSES TO CONNECT TO PRODUCT.

LIMITATION OF LIABILITY THE LIABILITY OF VIDEOLARM, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT WITH RESPECT TO WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL VIDEOLARM BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.

Product Registration/Warranty

Thank you for choosing Videolarm. We value your patronage and are solely committed to providing you with only the highest quality products available with unmatched customer service levels that are second-to-none in the security industry.

Should a problem arise, rest assure that Videolarm stands behind its products by offering some of the most impressive warranty plans available: ***3 Years*** on all Housings, Poles, Power Supples, and Accessories and ***5 Years*** on all camera systems (SView, QView, Warriors), and InfraRed Illuminators.

Register Your Products

Option 1: Online *Option 2:* Mail-In

Take a few moments and validate your purchase with our **Online Product Registration Form** at ***www.videolarm.com/productregistration.jsp*** or complete and mail-in the bottom portion of this flyer.

Register your recent Videolarm purchases and benefit from the following:

- Simple and Trouble-Free RMA process
- Added into customer database to receive product updates / news
- Eliminate the need to archive original purchase documents: Receipts, Purchase Orders, etc…

Cut at the dotted Line

Place in envelope, affix stamp and mail to: ***Videolarm ATTN: Warranty***
2525 Park Central Ave.
Decatur, GA 30035

Main Contact Info

First Name: _____ Last Name: _____

Professional Title: _____ Company: _____

Address 1: _____ Address 2: _____

City: _____ State / Province/Country: _____

Zip / Postal Code: _____ Phone Number: _____ E-mail Address: _____

Product Information

Please Circle One: Business Personal

Name & Location of Company / Store where Purchased: _____
(City, State, Country)

Videolarm Product ID _____ Product Description _____

Serial # _____
(Available only for Camera Systems, IR Illuminators, Wireless Devices)

PO# _____